### LAND RECLAMATION COMMISSION

#### **STATE OF MISSOURI**

P.O. BOX 176 JEFFERSON CITY, MISSOURI 65102 573-751-4041

	-			mit To Enga		face Mining MMISSION		
			pplication,	CHRISTY Normation Act," For a permit is here in the sta	RSMo, 2001 by granted		Ethe	
	1					permit is/are as fo		
County	Section	Township	Range	Acres Renewed	Acres New	Total Acres	Site/Stream Name	Site Number
Montgomery	02	47N	05 <b>W</b>	0	30	30	Dixon	2077
	IESS WHEREC	forth in "The as are pr	e Land Rec romulgated	clamation Act," I pursuant there	RSMo. 200 to by the La	ond Reclamation Coday of Och Directors		
Permit No.  Effective Date	0946	) <i>A</i>						

**Expiration Date** 

MO 780-1122 (6-95)

10/14/2005



# MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION COMMISSION SITE INFORMATION

MO 780-1036 (12-02)

### MISSOURI LAND RECLAMATION COMMISSION

P.O. BOX 176 JEFFERSON CITY, MO 65102-0176

TE NAME OR NUMBER		PERMIT NUMBER
DIXON PIT		
COMPANY		
CHRISTY MINERALS, LLC		
COUNTY	1/4 SECTION	SECTION
MONTGOMERY	NW	2
TOWNSHIP	RANGE	ACRES
47	5 west	30
RIVER OR STREAM NAME (FOR IN-STREAM ACRES)		
MINERAL COMMODITY	ESTIMATED TONS/YE	EAR (GRAVEL SITES)
clay		
ADDRESS		
CITY	STATE	ZIP CODE
CITY	STATE	ZIP CODE
	STATE	ZIP CODE  DATE OF AGREEMENT
SOURCE OF RIGHT TO MINE (CHECK ONE):	STATE	
SOURCE OF RIGHT TO MINE (CHECK ONE):		DATE OF AGREEMENT
SOURCE OF RIGHT TO MINE (CHECK ONE):  MINERAL DEED  WARRANTY DEED	☐ LEASE ☐ VERBAL	DATE OF AGREEMENT
CITY  SOURCE OF RIGHT TO MINE (CHECK ONE):  MINERAL DEED  WARRANTY DEED  OTHER (DESCRIBE):	☐ LEASE ☐ VERBAL	DATE OF AGREEMENT
SOURCE OF RIGHT TO MINE (CHECK ONE):  MINERAL DEED  WARRANTY DEED	☐ LEASE ☐ VERBAL	DATE OF AGREEMENT
SOURCE OF RIGHT TO MINE (CHECK ONE):  MINERAL DEED  WARRANTY DEED  OTHER (DESCRIBE):	LEASE VERBAL	DATE OF AGREEMENT
SOURCE OF RIGHT TO MINE (CHECK ONE):  MINERAL DEED  WARRANTY DEED	LEASE VERBAL	DATE OF AGREEMENT
SOURCE OF RIGHT TO MINE (CHECK ONE):  MINERAL DEED  WARRANTY DEED  OTHER (DESCRIBE):  MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THE CHRISTY MINERALS, LLC  ADDRESS	LEASE VERBAL	DATE OF AGREEMENT
SOURCE OF RIGHT TO MINE (CHECK ONE):  MINERAL DEED  WARRANTY DEED  OTHER (DESCRIBE):  MINERAL RIGHTS OWNER (ATTACH LIST IF MORE TH.	LEASE VERBAL	DATE OF AGREEMENT
SOURCE OF RIGHT TO MINE (CHECK ONE):    MINERAL DEED     WARRANTY DEED     OTHER (DESCRIBE):     MINERAL RIGHTS OWNER (ATTACH LIST IF MORE TH. CHRISTY MINERALS, LLC ADDRESS 833 Booneslick Road CITY	LEASE VERBAL	DATE OF AGREEMENT
SOURCE OF RIGHT TO MINE (CHECK ONE):    MINERAL DEED   WARRANTY DEED   OTHER (DESCRIBE):  MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THE CHRISTY MINERALS, LLC  ADDRESS  833 Booneslick Road	LEASE VERBAL  AN ONE)	DATE OF AGREEMENT 3/20/51
SOURCE OF RIGHT TO MINE (CHECK ONE):    MINERAL DEED   WARRANTY DEED   OTHER (DESCRIBE):    MINERAL RIGHTS OWNER (ATTACH LIST IF MORE TH.   CHRISTY MINERALS, LLC   ADDRESS   833 Booneslick Road   CITY HIGH HILL	LEASE VERBAL  AN ONE)  STATE  MO	DATE OF AGREEMENT  3/20/51  ZIP CODE
SOURCE OF RIGHT TO MINE (CHECK ONE):    MINERAL DEED     WARRANTY DEED     OTHER (DESCRIBE):     MINERAL RIGHTS OWNER (ATTACH LIST IF MORE TH. CHRISTY MINERALS, LLC     ADDRESS   833 Booneslick Road     CITY     HIGH HILL     SOURCE OF RIGHT TO MINE (CHECK ONE):	LEASE VERBAL  AN ONE)	ZIP CODE 63350
SOURCE OF RIGHT TO MINE (CHECK ONE):    MINERAL DEED     WARRANTY DEED     OTHER (DESCRIBE):  MINERAL RIGHTS OWNER (ATTACH LIST IF MORE THE CHRISTY MINERALS, LLC ADDRESS 833 Booneslick Road CITY HIGH HILL SOURCE OF RIGHT TO MINE (CHECK ONE):	LEASE VERBAL  AN ONE)  STATE  MO	ZIP CODE 63350 DATE OF AGREEMENT



# MISSOURI DEPARTMENT OF NATURAL RESOURCES LAND RECLAMATION COMMISSION MINF PLAN

# **RECEIVED**

JUN 1 7 2004

P.O. BOX 176

WINTE I EAR	JEFFERSON CITY, MO 65102-0176
COMPANY NAME	MISSOURI LAND
Christy Minerals, LLC	RECLAMATION COMMISSION
TYPE OF PLAN (CHECK ONE):  SHORT TERM, FOR ONE PERMIT YEAR	
Short serm, for one period through date: $6/2004$ 20	12 M/04
	ON PERMITTING (BY APPLICANT OR PRIOR OPERATOR), INCLUDING SOIL, VEGETATION AND
TOPOGRAPHY.	TO FERMITTING (BY AFFEIDANT OF FRIOR OFERATOR), INCLUDING SOIL, VEGETATION AND
portions of the area have been o	with steep slopes on the north and south sides. cut for timber, leaving small timber, and brush ered on west by one large clay pit.
OPERATION PLAN - 10 CSR 40-10.020(2)(D)1. A. TOPSOIL	
AVERAGE DEPTH OF TOPSOIL, PRIOR TO LAND RECLAMATION COMM	MISSION PERMITTING IS TOPSOIL TO BE SOLD OR DISCARDED OFFSITE?
	0.28
	U-3" INCHES ☐ YES OR NO
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL REMOVAL	L
decive porcion of the pre prior	to stripping the remaining soil.
DESCRIBE METHODS AND EQUIPMENT USED FOR TOPSOIL STORAGE	E AND PROTECTION
	le that is located away from erosion sources iles will be seeded with grasses.
	SITE NUMBER/NAME
	Dixon



B. SPOIL			MISSOURI LAND
DESCRIBE I	METHODS	AND LOCATION OF SPOIL PLACEMENT AND DISPOSAL	RECLAMATION COMMISSION
	to be depe	complete the dam B on the adjoini mined. After the first cut is mi osited in it. This will be the s	(SW corner) will be moved with scrappers ng property. The first stripping will e ned, the overburden from the second cut will b ite of the future dam B. When dam B viously mined pits for placement of
0.4000	AATED!		
C. ACID I		ALS AND EQUIPMENT USED FOR HANDLING ACID MATERIALS (IF	NONE IS ANTICIPATED, WRITE "NONE" BELOW)
	NON	R.	
	110111		
			<b>₽</b>
D DIT IN	EODMAT	TION (GIVE ALL DIMENSIONS IN FEET)	
		AND ORIENTATION OF PIT, IF NOT CLEAR ON SITE MAPS	
		Attacked Photo	
YES	NO		
		Will any excavation be at or within fifty feet (50') of	of the right-of-way of any public road?
	<b>₽</b>	(NOTE: For unconsolidated materials left in place way, and in no case may the excavation be close	terials be left within fifty feet of the right-of-way of any public road?  , a slope of no more than forty degrees may start near the right-of- er to the right-of-way than fifty feet or twenty-five feet plus one and material, whichever is greater, unless a variance is granted by the
X		Will any excavation start at or within fifty feet (50") (NOTE: If the answer is "YES", a safety barrier materials of the same of the safety barrier materials of the same of the safety barrier materials of the same of the safety barrier materials of the s	
PERMIT NO.	<del> </del>		SITE NUMBER/NAME
<u></u>	·· <del>··</del>		Dixon pit

MO 780-1327 (5-02)

PAGE 2 OF 5



PAGE 3 OF 5

<b>RECLAMATION PLAN - 10 CSR</b>	40-10.020(2)(D)2.	MISSOURI LAND	
A. REVEGETATION (Attach additional sheets, if needed)		RECLAMATION COMMISSION	
REVEGETATION MIX #1	PURPOSE OR LAND USE	B. SEEDING OR PLANTING TIME	
	Wildlife	Fa/l	

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the first fall following topsoil replacement the seed mix will be either Broadcast & harrowed or planted with no till drill depending on weather.

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Common Lespedisa Clover Orchard Grass Rye Wheat Volunteer native species grass - forbes	10#/ acre 6# / acre 10# / acre as needed as needed	Volunteer Trees Cottonwood Pin Oak White oak Cedar Willow	
REVEGETATION MIX #2	PURPOSE OR LAND USE	B. SEEDING OR F	PLANTING TIME
	wildlife	Sfr.	19

DESCRIBE METHODS AND EQUIPMENT TO BE USED FOR SEEDING OR PLANTING

During the spring after topsoil replacement, re-seeding of orchard grass & Lespedisa, clover will be planted to improve the stand.

Lime and fertilizer will be applied according to recommendations based upon soil test analyses from a qualified soils lab. Mulch will be applied to all slopes exceeding 5:1.

SEEDED SPECIES	POUNDS/ACRE	TREE OR SHRUB SPECIES	STEMS/ACRE
Clover Orchard grass Lespedisa	15 # / acre 25 # / acre 10 # / acre		

ΔΤΤΔΩΗ ΔΙΩΝΤΙΩΝΔΙ	CHEETS EVE	IN INDITION OF	CEED MIYES

MO 780-1327 (5-02)

PERMIT NO.

SITE NUMBERNAME

Dixon Pit

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B. GRADING		
DESCRIBE PROPOSED RECLAIMED TOPOGRAPHY, INCLUDING SLOPES	Fam eftil	ECLAMATION COMMISSION
ALL SPOIL AREAS WILL BE GRADED TI SLOPES APPROXIMATELY 2-4 ACRES WILL BE CONSTRUCT	TRANSVERABLE BT A	ONE-TWO LAKES HE LAKES WILL
BE CONSTRUCTED AND DESIGNED TO MEET SCS S	TANDARDS.	
C. DESCRIBE THE GENERAL SEQUENCE AND TIMING OF THE F	OLLOWING ACTIVITIES	
GRADING	OLLO WING ACTIVITIES	
	OPSOIL IS BEING DEPOSIT	
BE COMPLETE WITHIN 19-14 MONTHS AFTER BAC	KFILL OF SPOAL. M	11/24
REPLACEMENT OF TOPSOIL		
TOPSOIL WILL BE PLACED ON SPOIL WITHIN 2-TOPSOIL WILL BE REPLACED TO THE SAME DEPT		
REVEGETATION		
REVEGETATION WILL TAKE PLACE WITHIN   MON	TTH OF THE TOPSOIL REPLA	CEMENT.
AVERAGE DEPTH OF REPLACED TOPSOIL (INCHES) 12" topsoil plus 162" subsoil	<u></u>	
D. USE OF LAND WHEN RECLAIMED  Estimate acreage of each land use below, after reclamation		ESTIMATED ACRES:
Wildlife (forest or other habitat with livestock excluded)		24
Agricultural (pasture, cropland, and horticultural)		
Development (residential, industrial, and recreational)		
Water impoundments (for wildlife, agriculture, or development)		6
PERMIT NO.	SITE NUMBER/NAME Dixon Pit	

MO 780-1327 (5-02)



MISSOURI LAND RECLAMATION COMMISSION

By my signature, I attest to the following:

- 1. All statements made on this Mine Plan Form are correct, complete and true, to the best of my knowledge.
- I or the company I am authorized to represent intend(s) to mine in accordance with this Mine Plan Form, and in accordance with the Missouri Land Reclamation Act, Sections 444.760 through 444.790, RSMo 2001, and all rules, regulations, orders, decisions and permits of the Missouri Land Reclamation Commission pertaining to my company's surface mining operations.
- 3. I have obtained the approval of all landowner's (for all lease agreements made after August 28, 1990 on leased land) for all proposed post-mining land uses.
- 4. I have obtained the approval of all landowner's, (for all lease agreements made after August 28, 1990 on leased land) for all proposed seed mixtures.
- 5. I have a valid agreement with all landowners which gives me the right to grant access to the Director of the Missouri Land Reclamation Commission and authorized representatives, and I grant such access, and further where I have no such right, I have attached signed affidavits from the landowners, granting such access.

SIGNATURE OF APPLICANT	_	TITLE	DATE	
lift h	Pott	VP OPERATIONS	3/17/04	
NOTARY PUBLIC EMBOSSER	STATE		COUNTY (OR CITY OF ST. LOUIS)	
	Missouri		Weight sulland	
	SUBSCRIBED AND SWORN BEFORE ME, THIS	,	July D. OVED	
NOT VALID	1) DAY OF Warch	YEAR 2004	USE RUBBER STAMP IN CLEAR AREA BELOW	
<u> </u>	NOTARY PUBLIC SIGNATURE	MY COMMISSION	PUBLIC A	
UNLESS	100 6 8 1	EXPIRES	NOTARY /	
NOTARIZED	(Koby) N. Overka	7 10-9-05	SEAL SEAL	
	NOTARY PUBLIC NAME (TYPED OR PRINTED)		OF MSS MINI	
	Robin D. Overkamp		Robin D. Overkamp	
FOR DEPARTMENT USE ON	LY		NOTARY PUBLIC - STATE OF MISSOURI	
APPROVED BY		DATE APPROVED	MY CORERMIT NUMBER OCT. 9, 2005	
Mr. 103		9-30-		
PERMIT NO.		SITE NUMBER/NAME		
		0:00		
MO 780-1327 (5-02)			PAGE 5 OF	

DENIS & GERALD ENGEMANN 486-3322



TRI-COUNTY NO PRICE TRI-CO

IF NO ANS CALL 486-3288 OR 486-3685



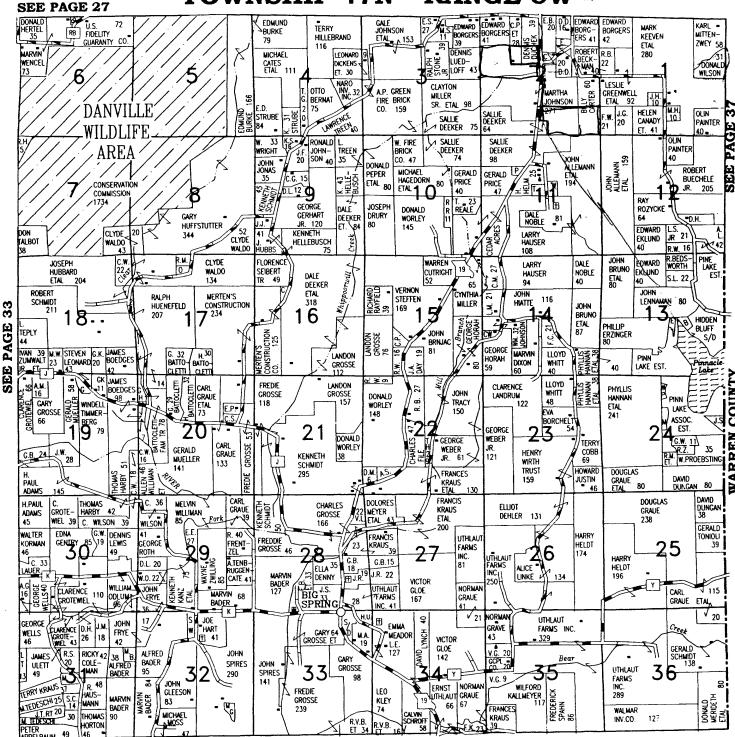
- \* DUMP TRUCK HAULING
- \* EXCAVATING
- \* GRAIN HAULING



HWY 100W • HERMANN

- \* BASEMENTS
- \* LAKES
- \* LIVESTOCK HAULING

### TOWNSHIP 47N • RANGE 5W (1



SEE PAGE 41

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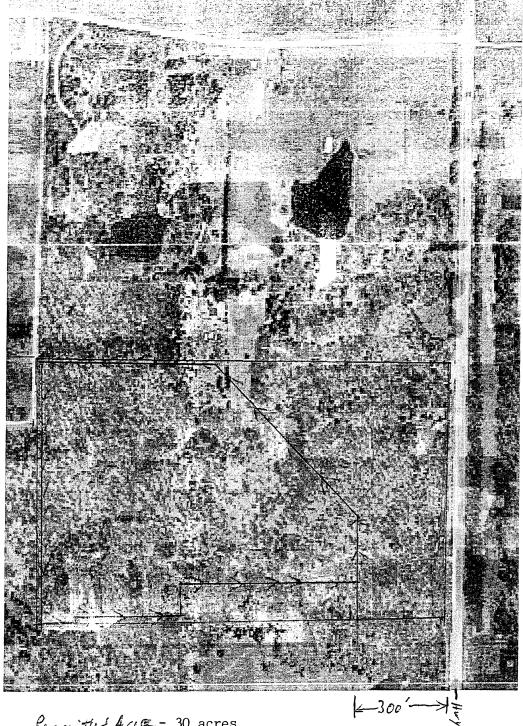
Christminerals CLC Dixon Pit #946

Range 5W, Section 2, Township 47, Montgomery County

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MISSOURI LAND RECLAMATION COMMISSION



- Permitted Area - 30 acres

Area to Benined.

· - Fatar Lakisi Ti

Surface Rights Owned by - Bill Saunders and Claude Patterson